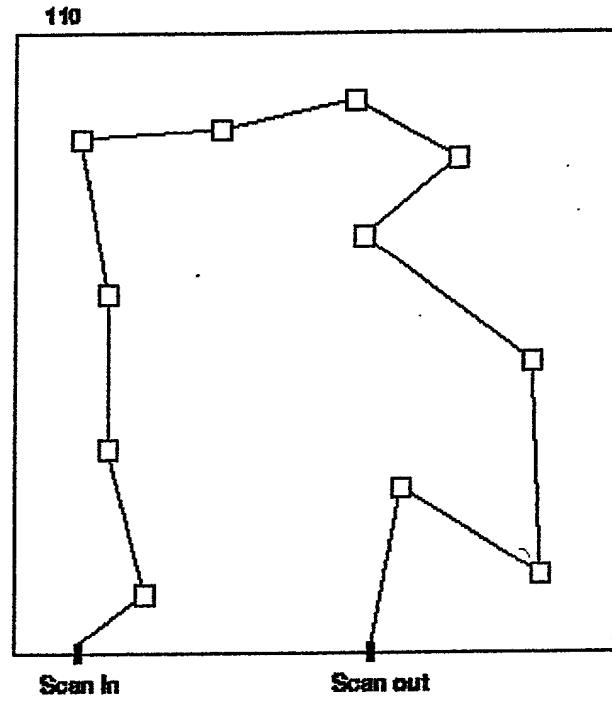


Initial (bad) scan chain order



Optimized scan chain order

Figure 1

Pattern	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Latch 200	Input	0	1	0	0	0	1	1	0	1	1	0	1	0	1	0
	Result	1	1	1	0	1	1	0	0	1	0	0	1	1	0	0
Latch 210	Input	0	1	0	0	0	1	1	0	1	1	0	1	0	1	0
	Result	0	0	0	1	0	0	1	1	0	1	1	0	0	1	1
Latch 220	Input	0	1	0	0	0	1	1	0	1	1	0	1	0	1	0
	Result	1	1	1	0	1	1	0	0	1	0	0	1	1	0	0

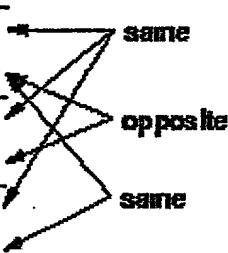


Figure 2

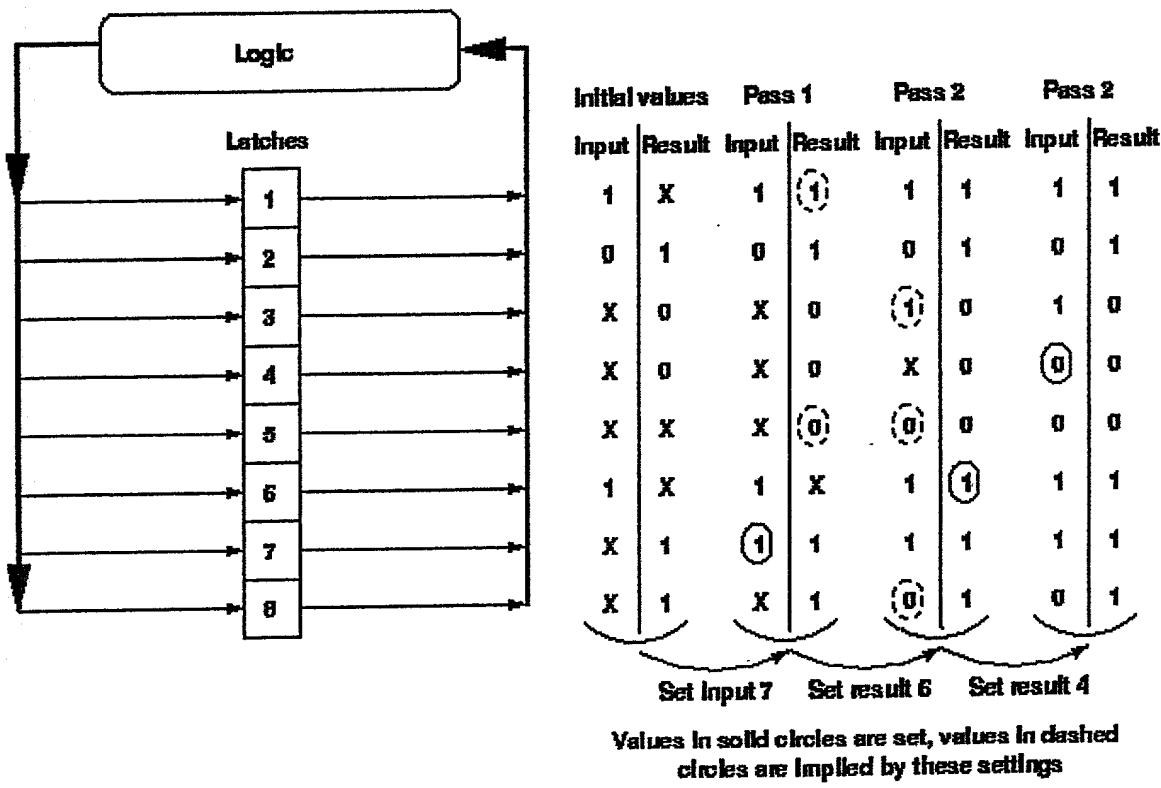


Figure 3

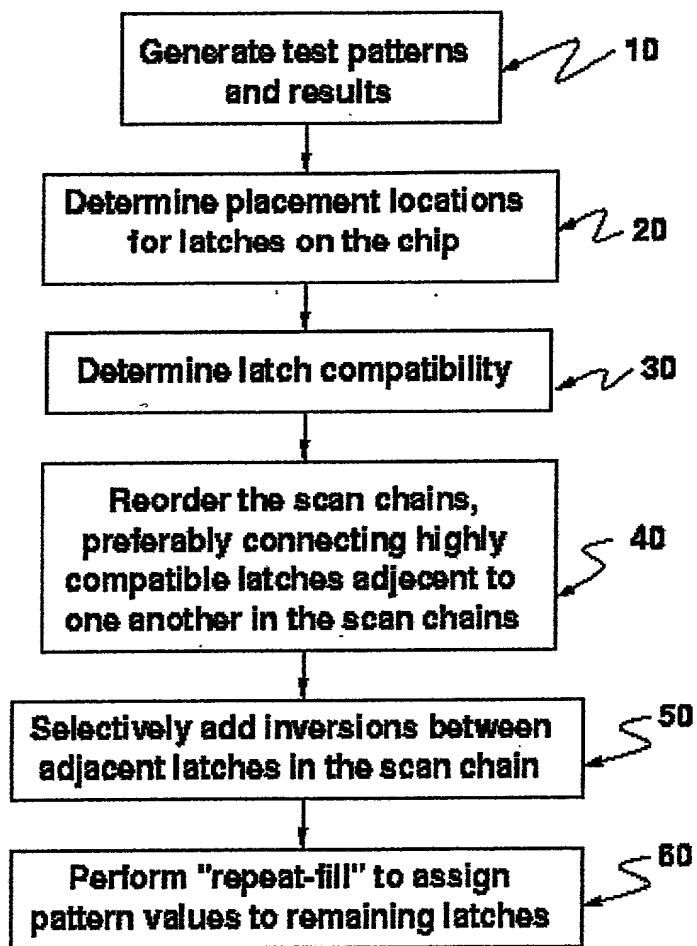


Figure 4